



REPORT

of the

Local Board of Health



THE CITY OF EDMONTON

ALBERTA

1949



22501418114

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Public Health Nurse.....	Lea, Miss T., R.N.
Public Health Nurse.....	Lesik, Mrs. R., R.N.
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Sanitary Inspector.....	Hill, G. B., C.I.S. (C.)
Sanitary Inspector.....	Kent, Wm., C.I.S. (C.)
Sanitary Inspector.....	Kyle, R. S.
Sanitary Inspector.....	Overton, L. B., C.I.S. (C.)
Sanitary Inspector.....	Powell, E. C., C.I.S. (C.)
Meat Inspector.....	Morrison, Dr. D. M., V.S.
Milk and Dairy Supervisor	Meredith, R. B., C.I.S. (C.)
Dairy Inspector	Burdess, G., C.I.S., (C)
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Stenographer.....	Craig, Miss I.
Stenographer.....	Hansch, Miss P.
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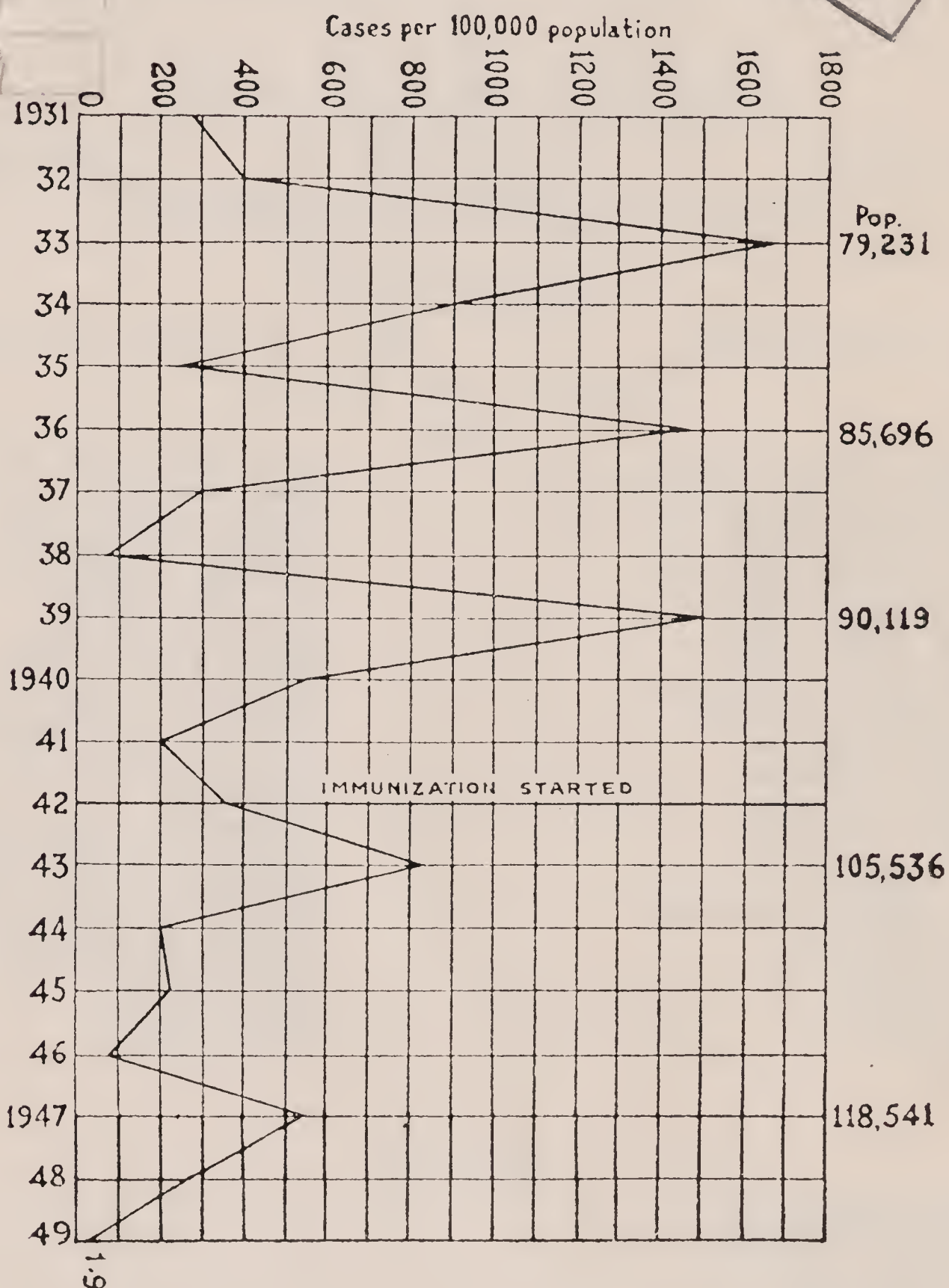
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WHOOPING COUGH MORBIDITY

Edmonton, 1931-1949

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This disease has been characterized by a high peak of incidence every third year until Sauer-type vaccine was introduced in 1942. Since that time these peaks are markedly lowered and are farther apart. This has occurred during a period of rapid increase and overcrowding in our population.

Annual Report of the Medical Officer of Health

Chairman and Members,
Local Board of Health,
Edmonton, Alberta.

Gentlemen:

Herewith is submitted a report of the activities of our Board and certain other health agencies of the city during 1949:

BIRTHS:

Our birth rate per 1,000 population showed a slight decrease to 30.8 but the total of 4,246 births, due to an increasing population, is the greatest ever reached and was an increase of 308 from the previous year. A further 2,268 births to non-residents serves to indicate the considerable outside area to which our city hospitals are providing service.

DEATHS:

The general death rate at 7 per 1,000 population was the lowest since 1939. The two greatest causes of death—heart disease and cancer—both showed a reduced rate.

The infant mortality rate of 23.3 per 1,000 living births was the lowest ever recorded in our city. However, this still meant 99 infant deaths. Of these, 37 per cent were due to prematurity. Many of these latter deaths may be avoided if expectant mothers seek adequate pre-natal care.

COMMUNICABLE DISEASES:

Serious communicable disease was at a minimum during the year. Two cases of diphtheria in unprotected children served to indicate the need for a persistent effort in prevention. Twenty-eight cases of poliomyelitis gave about the expected number following the extensive epidemic of the previous year. Whooping cough, which in recent years has been our most serious common infection, is giving way to immunization since an effective vaccine became available in 1942. Only three cases of this disease were reported during the year, with no deaths.

Our Baby and Pre-school Clinic continued a valuable service in supervision of infant feeding and physical development of children, and 2,757 home visits were made in connection with special problems. Appreciation of this service was indicated by an increase of 1,885 in attendance to a total of 15,272 for the year.

Our Immunization Clinic is now providing protection against various diseases for a high percentage of the babies and pre-school children of our city. An attendance of 24,811 was an increase of 6,634 over the previous year.

We believe that these clinics are in good part responsible for the very low infant mortality rate in our city.

SANITATION

Our rapidly increasing population and still crowded dwelling accommodation continues to produce many new problems in sanitation. Lack of moderately priced living space still forces us to tolerate accommodation which is no longer desirable. This is a major source of trouble and worry for many of our citizens, particularly those with children.

Sanitation of restaurants, stores and other food-handling establishments has continued to improve. Our inspectors have done much useful educational work in this connection, and their efforts are producing good results.

Sanitary supervision of our milk supply has been carefully carried out on dairy farms, in milk plants and wagons, and in our laboratory. Samples

tested for purity numbered 14,804. Ninety-nine and one-half per cent of our city milk is now safeguarded by pasteurization.

The city water supply was checked for contamination daily, and also the water of swimming pools when these were in operation.

All animals slaughtered in the two non-exporting abattoirs were inspected by our veterinarian who condemned 31,640 pounds of diseased meats.

GENERAL:

We have reached the stage in the development of our city when to maintain adequate public health protection our services must be re-organized and expanded.

Our clinics are operating close to the capacity possible in the present restricted space. These services should be decentralized for the convenience of mothers in outlying areas of our city.

The majority of larger cities across Canada have found it more economical and efficient to consolidate as far as possible the public health services for which the city is responsible. This includes both Board of Health and School Medical Services. Duplication of effort and cost is avoided, and continuity in health supervision of children at all ages is made possible. It would seem rational and most effective at this time to develop our public health services as a co-ordinated whole, rather than as piecemeal projects.

The rapid expansion demanded of civic services generally confronts our municipality with very formidable expenditures in the immediate future; but unless protective health services keep pace with our growing and increasingly concentrated population, a dangerous hazard to the public health will be created.

In view of the unprecedented and difficult situation facing our city, it was to be expected that the Provincial Government would accord our citizens the same assistance in public health protection as is currently given other areas of the province, and that a fair portion of the Dominion Government Grants, distributed through the Provincial Government, would be made available to us. Our request for such assistance has been refused, however, chiefly on the ground that the city has the ability to pay for its own services. This reasoning applies with perhaps even greater force to other areas presently being assisted by the Provincial Government, and also to the provincial services themselves. It is difficult, therefore, to understand the reluctance to provide this urgently needed assistance for our city health services.

To meet the present rapidly increasing demand for preventive health services in our city, without outside assistance, it will be necessary for our Board to request Council to increase substantially the portion of the City's revenue now allocated for this purpose.

Respectfully submitted,

G. M. LITTLE,

MEDICAL OFFICER OF HEALTH

EXPENDITURE

	1948	1947
1. Salaries	\$ 56,385.26	\$ 55,758.72
2. Supplies	1,804.88	1,518.28
3. Transportation	5,491.88	5,702.17
4/6. Telephones, Sundries, Uniforms	1,859.52	1,849.79
7. Pensions	5,858.10	4,579.93
	<hr/>	<hr/>
	\$ 71,389.72	\$ 69,408.89

REVENUE

Permits	\$ 412.50		
Meat Inspection	802.40		
Prov. Govt. Grant	2,500.00		
License Dept.	1,500.00		
	<hr/>		
	\$ 5,214.00.....	5,214.90	5,328.74
		<hr/>	<hr/>
Cost per Capita .41		\$ 66,174.82	\$ 64,080.14

EXPENDITURE CLASSIFIED—1949

	Administration	Communicable Disease	Dairy Inspection	Food Inspection	Laboratory Service	Public Health Nursing	Sanitation	Vital Statistics	Bath House	TOTALS
1. Salaries	\$ 9,602.88	\$5,296.26	\$2,243.73	\$4,256.20	\$3,268.77	\$10,649.39	\$19,950.93	\$1,027.19	\$ 89.91	\$56,385.26
2. Supplies	1,112.12	176.25			83.77	133.11	129.75	33.75	136.21	1,804.96
3. Transportation	480.00	799.24	1,076.67	300.00	466.55	605.70	1,763.72			5,491.88
4. Telephones	116.20	65.76	18.00	17.76	20.64	55.56	82.20			376.12
5. Sundries	420.85	254.14	27.80	5.75	19.90	482.96	36.60			1,248.00
6. Uniforms						117.39	118.01			235.40
7. Pensions	5,848.10									5,848.10
	\$17,580.15	\$6,591.65	\$3,366.20	\$4,579.71	\$3,859.63	\$12,044.11	\$22,081.21	\$1,060.94	\$226.12	\$71,389.72
	24.7 %	9.1 %	4.7 %	6.4 %	5.5 %	16.9 %	31.0 %	1.4 %	.3 %	100 %

SUMMARY OF STATISTICS

Area of City, 26,778 acres including 1,000 acres of water and 2,147 acres in Parks.

	1949	1948	1947	1946	1945
Population.....	137,469	126,609	118,541	114,976	111,745
Persons per acre of land.....	5.0	4.7	4.4	4.2	4.1
Cost per capita.....	.41	.51	.45	.44	.41
School enrolment	21,452	19,859	19,071	18,988	17,714
Natural increase of population	3,282	2,935	2,920	2,283	1,831
Total births	6,514	5,928	6,019	5,455	4,725
Resident births only	4,246	3,938	3,838	3,251	2,695
Rate per 1,000 population	30.8	31.1	32.3	28.2	24.1
Total stillbirths	97	90	109	82	83
Resident stillbirths only	57	54	62	51	53
Rate per 1,000 births	13.4	13.7	16.1	15.7	19.6
Total deaths	1,566	1,609	1,482	1,576	1,425
Resident deaths only	964	1,003	918	968	864
Rate per 1,000 population	7.0	7.9	7.7	8.4	7.7
Total deaths under 1 year of age.....	161	204	201	197	159
Resident deaths under 1 year of age..	99	126	123	111	84
Rate per 1,000 living births	23.3	31.9	32.0	34.1	31.1
Maternal deaths (city only).....	2	1	1	5	6
Rate per 1,000 births .....	.47	.25	.27	1.5	2.2
Marriages	2,539	2,490	2,374	2,205	2,098
Rate per 1,000 population.....	18.4	19.6	20.02	19.1	17.4

VITAL STATISTICS

Births

	1949	1948	1947
Total births	6,514	5,928	6,019
Resident births only	4,246	3,938	3,838
Male	2,197	2,121	2,008
Female	2,049	1,817	1,830
Double births	44	42	39
Resident illegitimate births ..	211	188	145
Total illegitimate births	441	436	373
Age group of mothers—			
15-19 years	249— 5.9%	241— 6.2%	192— 5.0%
20-24 years	1,332—31.2%	1,239—31.0%	1,251—32.6%
25-29 years	1,426—33.6%	1,317—34.1%	1,240—32.3%
30-34 years	813—19.2%	745—18.9%	763—19.9%
Over 34 years	426—10.1%	386— 9.8%	392—10.2%

Born in Institutions, 4,239 or 99.8%—born elsewhere, 7.

Maternal Parentage:

Canada	3,759—88.5%	3,463—87.9%	3,095—84.4%
British Isles	245— 5.6%	290— 7.4%	473—13.2%
Europe and Asia	146— 3.5%	114— 3.0%	161— 4.2%
U.S.A.	87— 2.1%	62— 1.5%	92— 2.3%
Other countries	9— .3%	9— .2%	17— .4%

Stillbirths

	1949	1948	1947
Total stillbirths	97	90	109
Resident only	57	54	62
Male	31	30	31
Female	26	24	31
Born in institutions	57	54	62

Cause of Foetal deaths:

Dystocia	21	13	23
Prematurity	6	8	6
Toxaemia of pregnancy ..	1	7	5
Malformation	13	8	9
Placenta and membranes	9	6	8
Traumatism and overwork	....	....	1
Syphilis .....	....	1	....
Other conditions	7	11	10

Deaths

Total deaths	1,556	1,609	1,482
Resident deaths only	964	1,003	918
Male	580	600	553
Female	384	403	365
Rate per 1,000 population	7.0	7.9	7.7

Racial Origin

Canada	295—30.6%	282—28.1%	279—30.4%
British Isles	346—35.9%	399—38.8%	355—38.6%
Europe and Asia	180—18.6%	197—19.7%	196—21.4%
U.S.A.	54— 5.6%	65— 6.6%	40— 4.4%
Others	88— 9.3%	60— 5.8%	48— 5.2%

INFANT MORTALITY

Total deaths under 1 year	161	204	201
Resident deaths under 1 year	99	126	123
Male	50	80	72
Female	49	46	51
Infant mortality rate			
per 1,000 births	23.3	31.9	32.0

INFANT MORTALITY, 1949

SEX BY MONTH BY AGE

	TOTAL	Male	Female	January	February	March	April	May	June	July	August	September	October	November	December	1st Day	1st Week	2nd Week	3rd Week	4th Week	Total Under 1 Month	1- 3 Months	4- 6 Months	7- 9 Months	10-12 Months
13b—Pulmonary Tuberculosis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
33b—Influenza	2	2	2	2	2	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
35 —Measles	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
44c—Mumps	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
74a—Leukemia	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
81a—Simple Meningitis	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
84a—Mental deficiency	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
107 —Broncho pneumonia	9	4	5	1	1	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	4	4	1	1	1
108 —Lobar pneumonia	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
114e—Other and unspecified diseases of respiratory system	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
118 —Other diseases of stomach	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
119a—Diarrhea and enteritis	5	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2
122a—Hernia (Diaphragmatic)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
122b—Intestinal obstruction	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
157a—Congenital Hydrocephalus	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
157b—Meningocele	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
157e—Congenital heart	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
157g—Congenital malformation of digestive system	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
157h—Congenital kidney	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
157m—Other and unspecified congenital malformations	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1
159 —Prematurity	37	20	17	1	1	5	7	3	1	2	5	4	1	2	5	19	14	1	1	1	36	1	1	1	1
160a—Intracranial or spinal hemorrhage	5	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	1	1	1	1
160c—Other injuries at birth	6	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	6	1	1	1	1
161a—Atelectasis	4	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	1	1	1	1
161c—Other specified diseases peculiar to 1st year of life	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
195d—Accidental asphyxia	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2
TOTALS	99	50	49	4	3	10	11	9	8	5	12	11	6	9	11	30	19	8	4	1	63	13	14	7	2

LOCAL BOARD OF HEALTH

ABRIDGED INTERNATIONAL CLASSIFICATION OF CAUSES OF DEATH, 1949 (Continued)

	Total	M	F	Under 1	1	2	3	4	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	
27. Pneumonia and bronchopneumonia.....	M	47	27	6	1	...	...	...	1	...	...	...	1	...	...	1	...	...	...	1	2	4	2	3	...	...	1	4
28. Other diseases of respiratory system	F	17	10	20	5	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	2	1	2	2	4	1	1	...
29. Diarrhea and enteritis	M	6	1	7	3	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...	...	1	...	...	...	1
30. Appendicitis	F	...	...	5	4	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31. Diseases of liver and biliary passages	M	3	2	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...
32. Other diseases of digestive system	F	18	13	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	3	3	1	3	1	...	...	...	...	...
33. Nephritis	M	17	13	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	2	3	...	1	...	...	...
34. Other diseases of urinary and genital system	F	20	12	4	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	1	...	1	...	...	...	...
35. Puerperal infection	M	21	16	8	...	...	...	...	...	...	...	...	1	...	...	1	...	1	1	1	1	2	4	3	2	1	...	1
36. Diseases of skin, cellular tissue, bones, and organs of movement	F	2	...	5	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	2	...	...	...	...	...
37. Diseases of skin, cellular tissue, bones, and organs of movement	M	2	...	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
38. Congenital malformations, debility, premature birth, diseases peculiar to the first year of life	F	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...
39. Senility, old age	M	68	38	37	1	1	2	1	5	1
40. Suicide	F	16	9	30	28	2	2	2	2	1
41. Homicide	M	10	6	7	...	...	...	...	...	...	...	...	...	...	1	1	1	1	...	3	1	...	...	...	...	...	...	...
42. Automobile accidents	F	3	3	4	...	...	...	...	...	...	...	...	...	1	1	1	...	...	2	...	...	...	...	...	...	...	...	...
43. Other violent or accidental deaths	M	20	16	...	...	...	...	1	1	1	...	4	2	...	...	...	1	...	1	1	3	...	1	...	...	...	...	...
44. Causes of death ill-defined, unknown, unspecified	F	39	31	4	...	...	...	1	3	...	2	3	1	2	1	1	2	1	4	1	1	2	...	2	1	...	...	...
45. Causes of death ill-defined, unknown, unspecified	M	8	1	2	1	1	1
46. Causes of death ill-defined, unknown, unspecified	F	1	1	1
Total Male.....	M	580	...	50	3	2	2	2	6	3	2	11	3	4	8	8	21	32	46	71	79	81	62	33	31	8	5	2	
Total Female.....	F	...	384	49	4	...	1	...	4	2	1	3	2	6	10	8	12	16	30	33	39	38	45	36	33	10	2	...	
Total Deaths		964	580	384	99	7	2	3	2	10	5	3	14	10	18	16	33	48	76	104	118	119	107	69	64	18	7	2	

PRINCIPAL CAUSES OF DEATH, 1949

1949						1948				
	Total	Male	Female	% of Total Deaths	Rate per 100M Population	Total	Male	Female	% of Total Deaths	Rate per 100M Population
90— 95 Diseases of the heart	287	183	104	29.7	208.7	291	191	100	29.0	238.5
45— 55 Cancer and other malignant tumors	159	91	68	16.4	115.6	160	87	73	15.9	126.3
83 Intracranial lesions of vascular origin	101	50	51	12.5	74.1	113	54	59	11.1	89.2
163—198 External causes	73	57	16	7.4	53.0	57	40	17	5.6	45.8
157-161 Congenital debility, premature birth, diseases peculiar to 1st year of life.....	68	38	30	7.0	49.4	87	55	32	8.6	60.8
107—108 Pneumonia, broncho pneumonia.. ..	47	27	20	4.8	41.4	48	29	19	4.7	38.7
13— 22 Tuberculosis, all forms	25	20	5	2.5	18.1	23	18	15	2.2	26.0
130—132 Nephritis	20	12	8	2.1	14.5	17	8	9	1.6	13.4
162 Senility	16	9	7	1.6	11.6	6	2	4	.6	4.7
61 Diabetes Mellitus	11	4	7	1.1	8.0	8	2	6	.7	6.3
	807	491	316	83.6		820	486	334	81.7	

MORTALITY FROM HEART DISEASE

Year	Total Deaths	Deaths From Heart Disease	Percentage of Total Deaths	Rate per 100M Population
1949.....	964	287	29.7	208.7
1948.....	1003	291	29.0	238.5
1947.....	918	260	25.9	219.3
1946.....	968	262	27.0	227.8
1945.....	864	232	26.8	207.6

MORTALITY FROM CANCER

Year	Total Deaths	Deaths From Cancer	Percentage of Total Deaths	Rate per 100M Population
1949.....	964	159	16.4	115.6
1948.....	1003	160	15.9	126.3
1947.....	918	143	15.5	120.6
1946.....	968	146	15.1	126.9
1945.....	864	148	17.1	132.4

MORTALITY FROM INTRACRANIAL LESIONS OF VASCULAR ORIGIN

Year	Total Deaths	Deaths From This Cause	Percentage of Total Deaths	Rate per 100M Population
1949.....	964	101	12.5	74.1
1948.....	1003	113	11.1	89.2
1947.....	918	85	9.2	71.7
1946.....	968	97	10.0	84.3
1945.....	864	93	10.7	83.2

MORTALITY FROM TUBERCULOSIS

Year	Total Deaths	Deaths From Tuberculosis	Percentage of Total Deaths	Rate per 100M Population
1949.....	964	25	2.5	18.1
1948.....	1003	33	3.2	26.0
1947.....	918	28	3.0	23.6
1946.....	968	30	3.0	26.0
1945.....	864	28	3.2	25.0

MORTALITY FROM PNEUMONIA

Year	Total Deaths	Deaths From Pneumonia	Percentage of Total Deaths	Rate per 100M Population
1949.....	964	47	4.8	41.4
1948.....	1003	48	4.7	38.7
1947.....	918	56	6.1	47.2
1946.....	968	49	5.0	42.6
1945.....	864	43	4.9	39.3

MORTALITY FROM EXTERNAL CAUSES

Year	Total Deaths	Deaths From External Causes	Male	Female	Suicide	Homicide	Automobile Accidents	Other Accidents	Percentage of Deaths	Rate Per 100M Population
1949	964	73	57	16	10	3	20	40	7.4	53.0
1948	1003	57	40	17	6	....	17	34	5.6	45.8
1947	918	56	46	10	8	....	17	31	6.1	47.2
1946	968	83	64	19	25	1	17	40	8.3	72.2
1945	864	59	42	17	9	....	11	39	6.8	52.8

ISOLATION HOSPITAL

During the year 1949, six hundred and seven patients were admitted. There were 17 outpatients and 12 patients died.

Scarlet Fever	111	Measles	119
Diphtheria	15	Mumps	20
Diphtheria carriers	5	Rubella	16
Poliomyelitis	52	Whooping cough	6
Meningitis (meningococcic)	7	Vincent's Angina	10
Meningitis (tuberculosis)	3	Strep. Throat	20
Tuberculosis	13	Ringworm	10
Paratyphoid fever	1	Syphilis	4
Erysipelas	22	Gonorrhoea	8
Chickenpox	11	Vaginitis	1
		Other diseases	150
The deaths included:			
Diphtheria	3		
Meningitis (T.B.)	3	Tuberculosis	1
Measles	1	Septicemia	1
Whooping cough	1	Others	2

IMMUNIZATION RECORD—1949

	Board of Health	Edmonton Public School Board	Edmonton Separate School Board	Private Physicians
Diphtheria				
1st Dose	3,708	1,619	243	690
Re-inforcing Doses	686	4,248	....	....
Total Doses	14,199	8,303	243	....
Whooping Cough				
1st Dose	3,456	829	....	537
Reinforcing Dose	2,261	170	....	....
Total Doses	15,078	2,088	....	....
Scarlet Fever				
1st Dose	603	....	....	21
Reinforcing Dose	320	....	....	....
Total Doses	2,932	....	....	....
Smallpox	2,715	3,142	248	1,000
Typhoid				
1st Dose	140	....	....	33
Reinforcing dose	....	....	....	....
Total Doses	422	....	....	....
Tetanus				
1st Dose	75	....	....	16
Total Doses	247	....	....	....
T.A.B.T.				
1st Dose	58	....	....	7
Total Doses	173	....	....	....
Typhus				
1st Dose	5	....	....	....
Total Doses	10	....	....	....
Cholera				
1st Dose	1	....	....	....
Total Doses	2	....	....	....
Dick Test	157	....	....	17
Schick Test	102	....	....	1
Anti-Measles Serum	....	....	....	3

IMMUNIZATION CLINIC

No. of persons receiving first doses	10,703
No. of persons receiving reinforcing doses	2,949
Total procedures	37,910
Attendance	24,811
No. of clinics held	249
Average attendance	99.6

SCHOOL MEDICAL SERVICES

	Public School Board	R.C. Separate School Board
Complete examinations	6,385	845
Number reported with defects	2,354	216
Number reported without defects	4,031	629
Parents present at examinations	3,701	411
Homes visited by nurses	593	179
Talks to classes	171	....

COMMUNICABLE DISEASE 1949-1945

	1949		1948		1947		1946		1945	
	C	D	C	D	C	D	C	D	C	D
Chickenpox.....	1,209	....	927	....	1,468	....	934	....	1,398	....
Diphtheria.....	2	1	2	....	6	....	3	....	2	....
Diphtheria carriers.....	2	....	12	....	4	....	4	....	5	....
Dysentery (Amoebic).....	3	....	2	1	....	....	....	....	....	....
Dysentery (others) .....	....	....	....	....	....	....	....	....	....	....
Encephalitis.....	....	....	....	....	3	1	4	2	....	1
Erysipelas.....	17	....	22	....	17	....	23	....	19	....
Food Poisoning.....	5	....	....	....	....	....	....	....	....	....
Influenza.....	....	3	....	....	....	2	....	6	....	2
Hepatitis (infectious).....	1	....	....	....	1	....	....	....	....	....
Mononucleosis (infectious).....	5	....	....	....	1	....	....	....	....	....
Malaria.....	1	....	....	....	3	....	....	....	....	....
Measles.....	3,080	1	1,285	....	925	....	2,563	1	444	....
Meningitis (Meningococcic).....	5	....	2	1	2	....	4	....	4	....
Mumps.....	424	1	196	1	300	....	1,378	....	1,880	....
Paratyphoid.....	....	....	7	....	1	....	1	....	....	....
Paratyphoid carrier .....	....	....	1	....	....	....	....	....	....	....
Pneumonia (lobar).....	....	6	....	2	....	5	1	8	2	15
Ringworm (microsporon audouini)...	7	....	....	....	....	....	....	....	....	....
Ringworm (others).....	4	....	....	....	....	....	....	....	....	....
Rubella.....	788	....	118	....	87	....	183	....	277	....
Poliomyelitis.....	28	....	88	6	....	....	8	....	....	....
Scarlet Fever.....	121	....	83	....	79	....	173	....	374	....
Septic Sore Throat.....	7	....	2	....	1	....	2	....	7	....
Trachoma.....	1	....	....	....	....	....	....	....	....	....
Tuberculosis (Pulmonary).....	91	23	140	26	98	20	78	20	64	26
Tuberculosis (other forms).....	12	2	....	7	5	8	2	10	....	2
Typhoid Fever.....	1	....	1	....	....	....	....	....	2	....
Typhoid carriers.....	1	....	....	....	....	....	....	....	....	....
Undulant Fever.....	2	....	1	....	9	....	2	....	3	....
Vincent's Angina.....	4	....	9	....	7	....	7	....	28	1
Whooping Cough.....	3	....	364	2	628	2	92	....	237	....
Venereal Disease—										
Gonorrhoea.....	703	....	808	....	666	....	624	....	479	....
G. C. Vaginitis.....	....	....	....	....	8	....	3	....	12	....
Syphilis.....	83	4	95	5	104	5	81	4	108	5
Type Undetermined.....	....	....	16	....	4	....	12	....	5	....
	6,590	41	4,181	51	4,423	48	6,201	51	5,341	53
Morbidity per 1,000 population.....	47.8		33.0		37.2		53.9		47.6	
C—Cases.										
D—Deaths.										

Communicable disease was responsible for 41 of 4.2% of the 964 City deaths during 1949.

Of the deaths from communicable disease, 31 were over 19 years of age, 25 were due to all forms of Tuberculosis and 4 died frim Syphilis.

3,080 or 46.7% of the communicable diseases were due to measles; 1,209 or 18.4% were due to Chickenpox; 768 or 11.5% were Rubella; 424 or 6.4% were Mumps and 121 or 1.8% were due to Scarlet Fever.

	No. of Cases	Percent of Cases	No. of Deaths	Percent of Deaths
Pre-school cases—1 to 5 years	1,997	30.3%	9	22.0%
School cases—6 to 14 years	3,245	49.0%	1	2.4%
Over 14	1,132	18.6%	31	75.6%
Age not stated	216	3.1%	....	....

COMMUNICABLE DISEASE BY AGE, 1949

	City Cases	Male	Female	Under 1	1/4	5/14	15/19	Over 20	Not Stated	Non- resident
Chickenpox.....	1,209	597	612	59	373	681	19	37	40	7
Diphtheria.....	2	1	1	1						2
Diphtheria Carriers.....	2		2		1	1				8
Dysentery (Amoebic).....	3	2	1		3					1
Dysentery (others).....										10
Erysipelas.....	17	7	10				1	16		3
Food Poisoning.....	5	3	2			1		3	1	1
Infectious Hepatitis.....	1	1			1					
Infectious Mononucleosis.....	5	5				1		2	2	
Malaria.....	1		1					1		
Measles.....	3080	1483	1597	111	1144	1677	45	56	47	51
Meningitis (mening.).....	5	3	2	3	1		1			2
Mumps.....	424	223	196	5	79	274	9	36	21	4
Paratyphoid.....										1
Polioomyelitis.....	23	12	16		5	13		10		22
Ringworm (Microsporan audouini).....	7	6	1		2	5				
Ringworm (others).....	4	2	2			4				
Rubella.....	768	385	383	20	135	514	61	19	19	6
Scarlet Fever.....	121	59	62		46	65	4	4	2	22
Septic Sore Throat.....	7	6	1			2	1	2	2	
Trachoma.....	1		1				1			1
Tuberculosis (pulm.).....	91	45	46		2		3	47	39	13
Tuberculosis (other forms).....	12	5	7		1				11	
Typhoid.....	1	1						1		
Typhoid Carriers.....	1	1						1		2
Undulant Fever.....	2	1	1					2		3
Vincent's Angina.....	4	1	3		1	2			1	1
Whooping Cough.....	3	1	2	2	1					
Venereal Disease										
Gonorrhoea.....	703	472	231		1	3	72	611	16	
Syphilis.....	83	42	41		1	1	6	61	14	
TOTALS.....	6590	3369	3221	201	1796	3245	223	909	216	160
DEATHS										
Diphtheria.....	1		1		1					
Influenza.....	3	1	2	2	1					
Lobar Pneumonia.....	6	6		2		1		3		
Measles.....	1		1	1						
Mumps.....	1		1	1						
Syphilis.....	4	3	1					4		
Tuberculosis (pulm.).....	23	18	5	1				22		
Tuberculosis (other forms).....	2	2						2		
TOTALS.....	41	30	11	7	2	1		31		

COMMUNICABLE DISEASE BY SEASON AND SEX, 1949

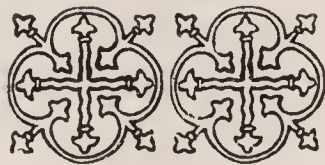
	City		Non- resident													
	Cases	Male	Female	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Cases
Chickenpox.....	1209	597	612	232	109	60	38	35	57	67	56	49	130	195	181	7
Diphtheria.....	2	1	1	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	2
Diphtheria Carriers.....	2	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	8
Dysentery (Amoebic).....	3	2	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	2	.....	1
Erysipelas.....	17	7	10	2	2	1	2	1	1	3	2	.....	2	.....	1	3
Food Poisoning.....	5	3	2	.....	.....	.....	.....	.....	3	1	1	.....	.....	.....	.....	1
Infectious Hepatitis.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
Infectious Mononucleosis.....	5	5	.....	1	.....	.....	1	2	.....	.....	1	.....	.....	.....	.....	.....
Malaria.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Measles.....	3080	1483	1597	483	684	485	353	316	246	100	37	17	44	107	208	51
Meningitis (mening.).....	5	3	2	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	3	2
Mumps.....	424	228	196	38	33	42	11	19	12	9	5	8	50	63	134	4
Paratyphoid.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Poliomyelitis.....	28	12	16	.....	.....	.....	1	.....	.....	1	5	13	5	3	.....	22
Ringworm (microsporan audouini).....	7	6	1	.....	.....	4	1	.....	1	1	.....	.....	.....	.....	.....	.....
Ringworm (others).....	4	2	2	.....	.....	.....	.....	.....	.....	.....	.....	4	.....	.....	.....	.....
Rubella.....	768	385	383	15	9	14	7	49	104	50	23	37	39	114	307	6
Scarlet Fever.....	121	59	62	7	11	10	11	8	6	2	7	7	9	19	24	22
Septic Sore Throat.....	7	6	1	.....	.....	1	.....	2	1	.....	.....	.....	.....	3	.....	.....
Trachoma.....	1	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Tuberculosis (pulm.).....	91	45	46	10	.....	.....	.....	11	3	29	8	.....	12	14	4	13
Tuberculosis (other forms).....	12	5	7	.....	.....	1	.....	1	.....	.....	4	1	1	1	3	.....
Typhoid.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
Typhoid Carriers.....	1	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	2
Undulant Fever.....	2	1	1	.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	3
Vincent's Angina.....	4	1	3	1	.....	1	.....	.....	.....	1	.....	1	.....	.....	.....	1
Whooping Cough.....	3	1	2	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1	1	.....
Venereal Disease.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Gonorrhoea.....	703	472	231	49	52	46	44	51	52	42	61	90	67	73	76	.....
Syphilis.....	83	42	41	4	3	13	15	9	11	6	8	4	6	4	.....	.....
TOTALS.....	6590	3369	3221	844	905	680	484	506	497	314	219	232	368	599	942	160
DEATHS.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Diphtheria.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....
Influenza.....	3	1	2	.....	.....	1	.....	.....	1	.....	.....	.....	.....	1	.....	.....
Lobar Pneumonia.....	6	6	.....	.....	.....	.....	2	1	2	.....	.....	.....	1	.....	.....	.....
Measles.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
Mumps.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
Syphilis.....	4	3	1	.....	1	.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....
Tuberculosis (pulm.).....	23	18	5	1	3	4	.....	1	2	.....	2	3	1	4	2	.....
Tuberculosis (other forms).....	2	2	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1	.....	.....
TOTALS.....	41	30	11	1	4	5	2	4	6	.....	4	3	3	6	3	.....

TUBERCULOSIS CONTROL

Kinsmen's Club Serice:	1949	1948
Total visits by Nurse	1986	2585
Visits to T.B. Cases	610	709
Visits to suspect cases	123	125
Visits to contact cases	1102	1596
Co-operative visits	107	115
Not seen, moved, etc.	44	40

Provincial Tuberculosis Division:

Examinations:		
Active cases	91	61
Suspects	164	123
Contacts	569	339
Non-Contacts	741	640
Total examinations	3891	3210
Total X-rays	3169	3420
Tuberculin tests made	1670	1703
Tuberculin tests positive	516	585
Mobile X-ray clinic		61699



WELL BABY AND PRE-SCHOOL CLINIC

	1949	1948	1947	1946	1945
Number of clinics	249	232	240	200	200
Attendance under 1 year of age ..	10429	9594	10260	....	....
Attendance over 1 year of age	4833	3793	1690	....	....
Total attendance	15272	13387	11950	8167	7420
Average attendance	61	58	50	41	37
New admissions under 1 year	2768	2417	2564	1881	1523
New admissions over 1 year	829	784	611	328	281
re-admissions	121	123	109	97	91
Referred to Family Doctor	135	112	107	31	25
Out-of-town cases	356	335	225	153	166

Dr. Mildred Newell and Dr. Margaret Collins were in attendance at 82 clinics.

There were 2,757 home visits made. These were to feeding and other problem cases and to as many of the youngest new babies admitted, as possible. 3559 telephone calls in regard to feedings, etc., were answered.

On 176 days during the year students were present for observation. These were made up as follows:

24 B.Sc. and Public Health Nurses from the University of Alberta.

92 student nurses from the University Outdoor Clinic and Royal Alexandra Hospital.

41 medical students.

5 new staff members, Provincial Department of Health.



VICTORIAN ORDER OF NURSES

	1949	1948	1947	1946	1945
Pre-natal visits	165	295	171	198	422
Obstetrical (nursing care)	9	6	11	0	8
Obstetrical (advice)	1353	1470	1447	1333	1182
Newborn (nursing care)	559	711	754	657	559
Newborn (health supervision)	1576	1358	1303	1796	1654
Pre-natal clinics .....	....	50	50	59	51
Total attendance	391	550	528	577	768
Average attendance .....	....	11	10	12	15
Mothers enrolled	58	114	114	115	116

SANITATION

INSPECTIONS:

Dwellings	423	771
Hotels, lodging houses, apartment blocks	260	218
Schools, blocks, public buildings	74	12
Stores, business establishments	98	86
Food handling establishments	6,600	5,562
Garbage cans, etc.	746	723
Streets, lanes, yards, dumps, etc.	326	398
Miscellaneous	1,930	1,738
	10,457	9,508
Re-inspections	424	382

NOTICES:

Written	381	281
Verbal	958	1,540
Garbage	180	311

COMPLAINTS:

Received from public	639	609
Justified	576	543
Received from other departments	12	15
Referred to other departments	77	82

The complaints were made up as follows:

Garbage, streets, lanes, etc.	232	218
Vermin	31	37
Housing, plumbing and drainage	250	243
Food and drink	53	49
Miscellaneous	73	63

LICENSES:

License applications investigated	2,952	2,824
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PLUMBING:

Sewer and water notices issued	15	12
Sewer and water installed, buildings removed, etc.	14	22
Extension of time granted	9	29
Plumbing permits issued	2,990	1,928
Plumbing permits issued for old buildings	41	36
Alterations to existing plumbing (fixtures)	1,630	630
Privies eliminated through installation of plumbing	41	36
Number of septic tanks installed	19	14

DISINFESTING STATION:

Baths	3,401	3,182
Verminous	---	6
Scabies	151	198
Disinfested	151	205
No. of Men Washing Clothes	2,497	2,419
Units Washed	7,491	7,257

SCAVENGING CLEAN-UP WORK

Refuse removed during Clean-up Week (cubic yards)	12,624	10,360
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ANIMALS, BARNS, STYES:

Cow owners	247	305
Hog owners	78	83
Goat owners	23	23
Fur farm owners	76	86

FOOD:

Samples submitted to Provincial Laboratory	15	20
Foodstuffs condemned (lbs.)	27,688	35,937

WATER:

Water samples taken	20	54
Negative	12	24
*Positive	8	29
*Suspicious	---	1
Wells chlorinated	1	23
Wells placarded	---	3
Ice Samples	1	5
Rinse water samples	---	22

*—Wells condemned or further samples taken after chlorination.

HOUSING:

Inspections of 423 dwellings and 260 hotels, lodging houses, apartment blocks, etc., were made for vermin, overcrowding and other insanitary conditions and the necessary notices issued.

POISON GAS FUMIGATION:

Hydrocyanic acid gas eliminated vermin from ten establishments.

ENFORCEMENT OF REGULATIONS:

Prosecutions	1	---
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Owner of house fined \$5.00 and costs or seven days for failing to maintain the plumbing system in good working order.

FOOD INSPECTION

MEATS INSPECTED AND CONDEMNED

Beef	1949	1948	1947
No. of carcasses inspected	2,763	3,026	3,942
Carcasses condemned	21	20	7
Portions condemned	234	253	385
Weight (lbs.) of carcasses and portions condemned	13,380	13,340	9,390

Veal			
No. of carcasses inspected	2,168	1,886	2,953
Carcasses condemned	4	10	4
Portions condemned	69	35	64
Weight (lbs.) of carcasses and portions condemned	1,955	2,440	1,690

Mutton			
No. of carcasses inspected	404	367	912
Carcasses condemned	9	8	9
Portions condemned	15	2	50
Weight (lbs.) of carcasses and portions condemned	645	430	650

Pork			
No. of carcasses inspected	2,798	2,831	5,699
Carcasses condemned	21	33	58
Portions condemned	834	760	1,965
Weight (lbs.) of carcasses and portions condemned	15,660	16,540	35,535

Totals			
No. of carcasses inspected	8,133	8,110	13,506
Carcasses condemned	55	71	78
Portions condemned	1,152	1,050	2,464
Weight (lbs.) of carcasses and portions condemned	31,720	32,750	47,265

CARCASSES FOUND TO BE INFECTED WITH T.B.

Beef			
Infected	18	25	16
Percent .....	.65	.82	.40

Pork			
Infected	556	515	1,128
Percent	19.83	18.20	19.77

CHIEF CAUSES OF CONDEMNATION, 1949

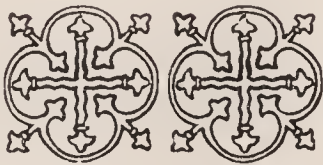
Beef:	Carcasses	Portions	Weight Lbs.
Abscess .....	....	62	875
Abscess multiple	2	....	725
Actinomycosis	1	95	2,265
Bruised	4	8	1,910
Tuberculosis .....	....	24	445
Pneumonia	6	....	2,900
Parasites .....	....	20	220
Emaciation	3	....	1,250
Dying condition	1	....	550
Peritonitis	1	....	450
Gangrene	1	....	550
Xanthosis	1	....	375
Miscellaneous (mastitis, jaundice, congestion, adhesions	1	25	865
	21	234	13,380
Veal			
Abscess .....	....	24	275
Actinomycosis .....	....	15	225
Parasites .....	....	11	110
Tuberculosis .....	....	5	65
Emaciation	1	....	225
Pneumonia	3	....	850
Miscellaneous (adhesions, jaundice, bruised, congestion) .....	....	14	205
	4	69	1,955
Mutton			
Abscess multiple	3	....	190
Bruised	1	2	120
Emaciation	2	....	110
Pneumonia	2	....	130
Miscellaneous (parasites, peritonitis)	1	13	95
	9	15	645
Pork			
Abcess multiple	6	....	1,175
Arthritis	2	....	325
Bruised	3	15	895
Contamination .....	....	52	870
Parasites .....	....	83	370
Pneumonia	1	2	425
Tuberculosis	6	614	10,075
Miscellaneous (abscess, adhesions, peritonitis, sexual odor, enteritis, inf. rhinitis)	3	68	1,525
	21	834	15,660

DISEASED ANIMALS

	1949	1948	1947
Beef	221	245	329
Veal	62	38	63
Mutton	16	6	37
Pork	657	605	1,486
Total amount of meat condemned	31,640	32,750	47,265

FOODSTUFFS CONDEMNED BY INSPECTORS

Canned goods .....	....	1	43
Fruit and vegetables	13	30,085	....
Meat	185	....	140
Fish .....	....	65	....
Poultry	108	270	167
Damaged by fire, flood, etc.	27,334	5,502	1,789
Sundries	48	14	6
	<hr/>	<hr/>	<hr/>
Total (lbs.)	27,688	35,937	2,145



MILK AND WATER, 1949

Inspections:	Total No. Premises	No. of Inspections
Producer-distributors, raw milk	2	25
Producer-shippers, milk	336	392
Pasteurization plants	4	165
Vehicles		208
Others, complaints, etc.		9
Licenses and permits		
Retail milk certificates issued		521
Dairy licenses issued		376
Dairy licenses refused		4
Dairy licenses suspended temporarily		339
Permits issued to cow keepers in the city		297
Samples		
Milk samples taken, retail		827
Milk samples taken, shippers		14,804
Cream samples taken		22
Special milk samples		5
Special cream samples		24
Chocolate milk samples		82
Ice cream samples		30
TESTS—Milk		
Standard plate counts		827
Coliform tests		21
Phosphatase tests		676
Methylene blue tests		14,804
Butter fat tests		384
Sediment tests		408
Restaurants		
Swab tests of utensils		203
Water		
Standard plate counts		292
Coliform tests		292
Chlorine content checks		260
Raw river water plate counts		29
Swimming Pools		
Plate counts		418
Coliform tests		418

No. of producer-distributors of raw milk, two. The Edmonton milk supply is now 99.5 percent pasteurized.

Daily per capita milk consumption approximately .85 pints.

The swab tests noted above were taken, using the "Jamieson Technique" on restaurant utensils as educational work. The visual demonstrations have been well received by both the restaurant operators and employees. They have been instrumental in improving methods of handling and practical sterilization of utensils in our eating establishments.

